JUN 2 3 2004

SEQUENCE LISTING

```
<110>
      Shashoua, Victor E
<120>
      NEUROPROTECTIVE PEPTIDES AND USES THEREOF
<130> N0260.70044US01
<140> US 10/674,076
<141> 2003-09-29
<150> US 09/021,247
<151> 1998-02-10
<150> US 09/810,863
<151> 2001-03-16
<160> 19
<170> PatentIn version 3.2
<210> 1
<211> 12
<212> PRT
<213> Artificial sequence
<220>
<223> Peptide
<220>
<221> MISC_FEATURE
<222>
      (1)..(1)
<223> X = Asp, Gln, Gly or Tyr
<220>
<221> MISC_FEATURE
      (2)..(2)
<222>
<223> X = any amino acid
<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> X = Asp, Asn, Thr or Glu
<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> X = any amino acid
<220>
<221> MISC_FEATURE
<222>
      (5)..(5)
<223> X = Asp, Ser, Gly, Asn or Leu
<220>
      MISC_FEATURE
<221>
<222>
      (6)..(6)
<223> X = any amino acid
<220>
<221> MISC_FEATURE
```

```
<222> (7)..(7)
<223> X = Ala, Asp, Phe, Lys, Thr, Tyr, Arg, Val, Cys or Ser
<220>
<221> MISC_FEATURE
<222> (8)..(8)
<223> X = any amino acid
<220>
<221> MISC FEATURE
<222> (9)..(9)
<223> X = Asp, Glu, Gly, Ser, Thr, Met or Asn
<220>
<221> MISC_FEATURE
<222>
      (10)..(10)
<223> X = any amino acid
<220>
<221> MISC_FEATURE
<222> (11)..(11)
<223> X = Glu, Gln, Ala, Leu or Asn
<220>
<221> misc_feature
<222> (12)..(12) <223> Xaa can be any naturally occurring amino acid
<400> 1
<210>
      2
<211>
      12
      PRT
<212>
<213> Artificial sequence
<220>
<223> Peptide
<220>
<221> MISC_FEATURE <222> (2)..(2)
<223> X = any amino acid
<220>
<221>
      MISC FEATURE
<222>
      (4)..(4)
<223> X = any amino acid
<220>
<221> MISC_FEATURE
      (7) ... (7)
<222>
<223> X = any amino acid
<220>
<221> MISC FEATURE
<222> (10)..(10)
```

```
<223> X = any amino acid
<220>
<221> MISC_FEATURE
<222> (11)..(11)
<223> X = any amino acid
<400> 2
Asp Xaa Asp Xaa Asp Gly Xaa Ile Asp Xaa Xaa Glu
<210> 3
<211> 12
<212> PRT
<213> Artificial sequence
<220>
<223> Peptide
<400> 3
Asp Gly Asp Gly Asp Phe Ala Ile Asp Ala Pro Glu
<210> 4
<211> 14
<212> PRT
<213> Artificial sequence
<220>
<223> Peptide
<400> 4
Lys Lys Asp Gly Asp Gly Asp Phe Ala Ile Asp Ala Pro Glu
<210> 5
<211> 16
<212> PRT
<213> Artificial sequence
<220>
<223> Peptide
<400> 5
Lys Lys Lys Lys Asp Gly Asp Gly Asp Phe Ala Ile Asp Ala Pro Glu
<210> 6
<211> 21
<212> DNA
<213> Artificial sequence
```

```
<220>
<223> Oligonucleotide
<400> 6
                                                                          21
agttgagggg actttccagg c
<210> 7
<211> 20
<212> DNA
<213> Artificial sequence
<220>
<223> Oligonucleotide
<400> 7
                                                                          20
tgcagattgc gcaatctgca
<210> 8
<211> 21
<212> DNA
<213> Artificial sequence
<220>
<223> Oligonucleotide
<400> 8
                                                                          21
cgcttgatga gtcagccgga a
<210> 9
<211> 20
<212> PRT
<213> Artificial sequence
<220>
<223> Peptide
<400> 9
Lys Lys Lys Asp Gly Asp Gly Asp Phe Ala Ile Asp Ala Pro Glu
                                      10
Lys Lys Lys
<210> 10
<211> 8
<212> PRT
<213> Artificial sequence
<220>
<223> Peptide
```

```
<400> 10
Asp Phe Ala Ile Asp Ala Pro Glu
    5
<210> 11
<211> 9
<212> PRT
<213> Artificial sequence
<220>
<223> Peptide
<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> X = any amino acid
<400> 11
Xaa Asp Phe Ala Ile Asp Ala Pro Glu
                 5
<210> 12
<211> 9
<212> PRT
<213> Artificial sequence
<220>
<223> Peptide
<400> 12
Gly Asp Phe Ala Ile Asp Ala Pro Glu
<210> 13
<211> 10
<212> PRT
<213> Artificial sequence
<220>
<223> Peptide
<220>
```

<221> MISC_FEATURE

<221> MISC_FEATURE <222> (2)..(2)

<223> X = any amino acid

<220>

<222> (1)..(1) <223> X = Asp, Asn, Thr or Glu

```
- 6 -
<400> 13
Xaa Xaa Asp Phe Ala Ile Asp Ala Pro Glu
<210> 14
<211> 10
<212> PRT
<213> Artificial sequence
<220>
<223> Peptide
<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> X = any amino acid
<400> 14
Asp Xaa Asp Phe Ala Ile Asp Ala Pro Glu
<210> 15
<211> 11
<212> PRT
<213> Artificial sequence
<220>
<223> Peptide
<220>
<221> MISC_FEATURE <222> (1)..(1)
<223> X = any amino acid
<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> X = Asp, Asn, Thr or Glu
<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> X = any amino acid
<400> 15
Xaa Xaa Xaa Asp Phe Ala Ile Asp Ala Pro Glu
               5
```

<210> 16 <211> 11 <212> PRT <213> Artificial sequence

<220>

```
<223> Peptide
<220>
<221> MISC_FEATURE
\langle 222 \rangle (2)..(2)
\langle 223 \rangle X = Asp, Asn, Thr or Glu
<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> X = any amino acid
<400> 16
Gly Xaa Xaa Asp Phe Ala Ile Asp Ala Pro Glu
<210> 17
<211> 12
<212> PRT
<213> Artificial sequence
<220>
<223> Peptide
<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> X = Asp, Gln, Gly or Tyr
<220>
<221> MISC_FEATURE
<222>
       (2)..(2)
<223> X = any amino acid
<220>
<221> MISC FEATURE
<222> (3)..(3)
\langle 223 \rangle X = Asp, Asn, Thr or Glu
<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> X = any amino acid
<400> 17
Xaa Xaa Xaa Asp Phe Ala Ile Asp Ala Pro Glu
<210> 18
<211> 12
<212> PRT
<213> Artificial sequence
<220>
<223> Peptide
```

```
<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> X = any amino acid
<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> X = Asp, Asn, Thr or Glu
<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> X = any amino acid
<400> 18
Asp Xaa Xaa Xaa Asp Phe Ala Ile Asp Ala Pro Glu
<210> 19
<211> 8
<212>
      PRT
<213> Artificial sequence
<220>
<223> Peptide
<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> X = Asp, Ser, Gly, Asn or Leu
<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> X = any amino acid
<220>
<221> MISC_FEATURE
<222> (3)...(3) <223> X = Ala, Asp, Phe, Lys, Thr, Tyr, Arg, Val, Cys or Ser
<220>
<221> MISC_FEATURE
<222> (4)..(3)
<223> X = any amino acid
<220>
<221> misc_feature
<222>
      (4)..(4)
      Xaa can be any naturally occurring amino acid
<223>
<220>
<221> MISC FEATURE
      (5)..(5)
<223> X = Asp, Glu, Gly, Ser, Thr, Met or Asn
<220>
<221> MISC_FEATURE
```

```
<222> (6)..(7)
<223> X = any amino acid
<220>
<221> MISC_FEATURE
<222> (8)..(8)
<223> X = Glu, Gln, Ala, Leu or Asn
<400> 19
```